

REMARKS

Favorable reconsideration of this application as presently amended and in light of the following discussion is respectfully requested.

Claims 1-7, 9-13 and 15-19 are pending in the present application. Claims 1-7, 9-13 and 15-19 have been amended and claims 8, 14 and 20 have been canceled by the present amendment.

In the outstanding Office Action, claims 1-20 stand rejected under 35 U.S.C. § 112, second paragraph; claims 1-3, 5, 7-11, 14-16 and 18-20 were rejected under 35 U.S.C. § 102(e) as anticipated by Rodriguez et al.; claims 4 and 13 were rejected under 35 U.S.C. § 103(a) as unpatentable over Rodriguez et al. in view of Munzo-Bustamante et al.; claims 6 and 12 were rejected under 35 U.S.C. § 103(a) as unpatentable over Rodriguez et al. in view of Tamura; and claim 17 was rejected under 35 U.S.C. § 103(a) as unpatentable over Rodriguez et al. in view of Erickson.

Claim Rejections – 35 U.S.C. § 112, second Paragraph

Regarding the rejections of claims 1-20 under 35 U.S.C. § 112, second Paragraph, the acronyms TS, PID and PCI have been properly identified when first used in the claims. Accordingly, it is respectfully requested this rejection be withdrawn.

Claim Rejections – 35 U.S.C. § 102(e)

Claims 1-3, 5, 7-11, 14-16 and 18-20 stand rejected under 35 U.S.C. § 102(e) as anticipated by Rodriguez et al. This rejection is respectfully traversed.

Amended independent claim 1 is directed to a media router including a media routing control part for giving a fixed unit of time stamp, a TS (Transport Stream) packet number, to each TS packet of a TS of a digital broadcasting or an analog broadcasting signal, and extracting index information including at least one of the TS packet number and information on a type of picture from the TS having the time stamp added thereto. The media router also includes a storage part for receiving and storing the TS having the time stamp added thereto and the index information from the media routing control part. Independent claims 9, 15 and 18 include similar features in a varying scope.

These features are supported at least by Figure 1 and the corresponding description in the specification (see, for example, paragraphs [0026] and [0037]). Thus, according to the present invention, a time stamp and a TS packet number is given to each TS packet to synchronize the TS packet, and index information including at least one of the TS packet number and information on the type of pictures extracted. Therefore, no data has to be stored in the storage medium except the TS packet, the time stamp given to the TS packet and the index information, thereby making a simple hardware system and supporting a trick mode reproduction operation (see paragraph [0049]).

On the contrary, Rodriguez et al. is directed to a dual mode file system and a subscriber network television system including a memory with logic and a processor configured with the logic to use remote data to support the processor. However, Rodriguez et al. does not teach or suggest how to support a trick mode reproduction. That is, Rodriguez et al. does not teach or suggest giving a time stamp to each TS packet and extracting index information including at least one of the TS packet number and information on the type of picture from the TS packet for

supporting a trick mode reproduction. Thus, Rodriguez et al. does not teach or suggest performing a trick mode reproduction with reference to the TS packet number, the type of picture in the index information, and a time stamp given to each TS.

Further, the Office Action indicates that paragraph [0048] of Rodriguez et al. teaches a time stamp given to each TS packet of a TS and extracting index information including at least one of the TS packet number information on the type of picture from the TS. However, this paragraph only discloses operating parameters such as selecting certain programs or portions of transport streams for inclusion in one or more output transport streams, system-specific MPEG table packet organization information and/or condition access information. Further, the control system 232 in Rodriguez et al. communicates with a multiplexing logic 222, and the media access control functions 224 at initialization synchronize counters used for time stamps. The operating parameters in Rodriguez et al. do not contain index information including at least one of the TS packet numbers and information on the type of picture as in the present invention.

Accordingly, it is respectfully submitted independent claims 1, 8, 15 and 18 and each of the claims depending therefrom patentably define over Rodriguez et al.

Claim Rejections – 35 U.S.C. § 103(a)

Further, it is respectfully submitted the additional rejections under 35 U.S.C. § 103(a) noted in the Office Action have also been overcome as the claims rejected therein are dependent claims and the additional references cited by the Office Action also do not teach or suggest the features recited in the newly amended independent claims. Accordingly, it is respectfully requested these rejections also be withdrawn.

In view of the above amendments and remarks, applicant believes the pending application is in condition for allowance.

Conclusion

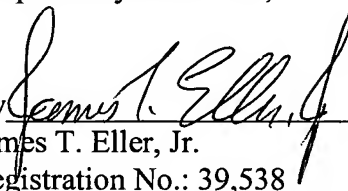
In view of the above remarks, it is believed that claims are allowable.

Should there be any outstanding matters that need to be resolved in the present application, the Examiner is respectfully requested to contact David A. Bilodeau Reg. No. 42325 at the telephone number of the undersigned below, to conduct an interview in an effort to expedite prosecution in connection with the present application.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37.C.F.R. §§1.16 or 1.14; particularly, extension of time fees.

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Respectfully submitted,

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